

Title (en)
WIRELESS COMMUNICATION DEVICE

Title (de)
DRAHTLOSE KOMMUNIKATIONSVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUNICATION SANS FIL

Publication
EP 2648344 A4 20170621 (EN)

Application
EP 11845870 A 20111124

Priority
• JP 2010270899 A 20101203
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Abstract (en)
[origin: EP2648344A1] A wireless communication apparatus of the present invention comprises a plurality of branches, a tap output combining section, an adaptive blind processing section and a diversity combining section. Each of the plurality of branches comprises a tap processing section generates a tap output signal and a received signal vector on a basis of a received signal and a tap coefficient in a space diversity method. The tap output combining section calculates by linking the tap output signal as a tap output combination signal. The adaptive blind processing section generates the tap coefficient by an adaptive blind processing on a basis of the tap output combination signal and the received signal vector. The diversity combining section performs a diversity combination of the tap output signals. The adaptive blind processing section uses an evaluation condition so that the tap output combination signal be minimal.

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H04B 7/08 (2006.01)

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H04B 7/08 (2013.01 - US); **H04B 7/0837** (2013.01 - EP US); **H04B 7/084** (2013.01 - US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2012073788A1

Cited by
EP3588885A4

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